

APPLICATION FOR U.S. PATENT UNDER 37 C.F.R. § 1.53(b)  
UTILITY PATENT APPLICATION TRANSMITTAL FORM

**Mail Stop PATENT APPLICATION**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the utility patent application of:

**Inventor(s) or Application Identifier:**

**Shilin Chen**

**Entitled: FORCE-BALANCED ROLLER-CONE BITS, SYSTEMS,  
DRILLING METHODS, AND DESIGN METHODS**

***APPLICATION ELEMENTS:***

1. ☒ **This Fee Transmittal Form (3 Total Pages)**
2. **Applicant is:**  
☒ **Large Entity**  
☐ **Small Entity**  
☐ **Small Entity Statement enclosed**  
☐ **Small Entity Statement filed in prior application.**  
**Status still proper and desired.**
3. ☒ **Specification (22 Total Pages)**
4. ☒ **Drawing(s) (8 Total Sheets)**  
☒ **Formal**  
☐ **Informal**
5. ☒ **Combined Declaration and Power of Attorney**  
**(1 Document, 2 Total Pages)**  
☐ **Newly executed (original)**  
☒ **Copy from a prior application**  
**(for continuation/divisional only)**

6. The accompanying application is:

☐ Original  
☒ Continuation  
☐ Divisional  
☐ Continuation-In-Part (CIP)  
Prior Application No.: 10/383,805  
Filed: March 8, 2003  
Examiner: Unknown  
Group/Art Unit: Unknown  
Confirmation No.: 2496

which is hereby incorporated by reference therein.

(For Continuation or Divisional Applications only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5 above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.)

7. ☐ Priority of foreign Application No. \_\_\_\_\_, filed on \_\_\_\_\_ is claimed under 35 U.S.C. § 119.  
☐ A certified copy is attached.  
☐ A certified copy was filed in prior Application Serial No. \_\_\_\_\_, filed \_\_\_\_\_.

*This application is a continuation of U.S. Patent Application Serial No. 10/383,805 filed by Shilin Chen on March 8, 2003, which is a continuation of U.S. Patent Application Serial No. 09/833,016 filed by Shilin Chen on April 10, 2001, which is a continuation of U.S. Patent Application Serial No. 09/387,737 filed by Shilin Chen on August 31, 1999, now U.S. Patent No. 6,213,225, which claims the benefit of U.S. Provisional Application Serial No. 60/098,466 filed on August 31, 1998.*

**FEE CALCULATION:**

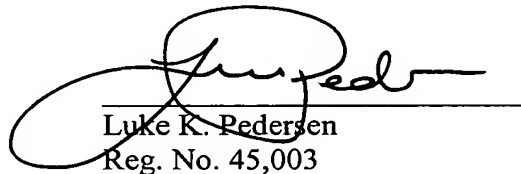
**CLAIMS AS FILED IN THE APPLICATION, LESS ANY CLAIMS CANCELLED BY PRELIMINARY AMENDMENT OR ADDED BY PRELIMINARY AMENDMENT**

FEE CALCULATION					Large Entity FEE
	Number		Number Extra	Rate	Basic Fee
					\$ 770.00
Total Claims:	5	-20 =	0	X \$18 =	.00
Independent Claims	2	- 3 =	0	X \$86 =	.00
Total of Above					\$770.00
TOTAL FILING FEE =					\$ 770.00

*ACCOMPANYING APPLICATION PARTS:*

8. ☐ An Assignment of the invention to \_\_\_\_\_ is attached. A separate cover sheet in compliance with 37 C.F.R. § 3.28 and § 3.31 is included with an Assignment recordal fee of \$ 40 pursuant to 37 C.F.R. § 1.21(h).
9. ☒ **Information Disclosure Statement (IDS) and PTO-1449 (6 Total Pages)**  
☐ Copies of IDS Citations.  
☒ **Pursuant to 37 C.F.R. § 1.98(d), copies of these references are not being furnished.**
10. ☐ Preliminary Amendment
11. ☒ **Request for Interference (16 Pages)**
12. ☒ **Customer Association Form (1 Page)**
13. ☒ **Certificate of Mailing (1 Page)**
14. ☒ **Return Receipt Postcard**
17. ☒ **A check in the amount of \$770.00 to satisfy filing fee requirements under 37 C.F.R. § 1.16. Please charge any additional fees or credit any overpayment to Deposit Account No. 50-2148 of BAKER BOTTS L.L.P.**

Respectfully submitted,  
BAKER BOTTS L.L.P.  
Attorneys for Applicant



\_\_\_\_\_  
Luke K. Pedersen  
Reg. No. 45,003

Date: January 26, 2004

CORRESPONDENCE ADDRESS: Customer No. **31625**

Luke K. Pedersen  
Baker Botts L.L.P.  
1500 San Jacinto Center  
98 San Jacinto Blvd.  
Austin, Texas 78701-4039  
214.953.6655

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Shilin Chen  
Filing Date: January 26, 2004  
Title: FORCE-BALANCED ROLLER-CONE BITS, SYSTEMS,  
DRILLING METHODS, AND DESIGN METHODS

**MAIL STOP PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

I hereby certify that the attached Continuation Patent Application (22 pages); Application Transmittal Form (3 pages); Formal Drawings (8 sheets), Information Disclosure Statement (2 pages); PTO-1449 Form (4 pages), executed Declaration and Power of Attorney (2 pages); Request for Interference (16 pages), Customer Association Form (1 page), a check in the amount of \$770.00 to satisfy the filing fees; this Certificate of Mailing by Express Mail, and a Baker Botts acknowledgement return postcard (1 postcard); are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on this 26th day of January, 2004, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
\_\_\_\_\_  
Willie Jiles

Express Mail Receipt  
No. EV 324619919 US  
Attorney Docket No. 074263.0210 (SC-98-025 C3-A )

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Shilin Chen  
Filing Date: January 26, 2004  
Title: FORCE-BALANCED ROLLER-CONE BITS, SYSTEMS,  
DRILLING METHODS, AND DESIGN METHODS

**MAIL STOP PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

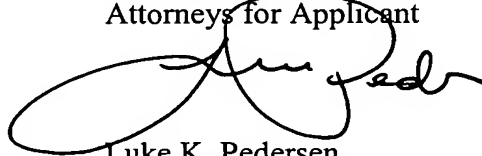
Dear Sir:

**CUSTOMER NUMBER ASSOCIATION**

Effective immediately, please associate Customer No. 31625 with the above-identified patent application, direct all correspondence pertaining to this patent application to practitioners at Customer Number 31625 and all telephone calls should be directed to Luke K. Pedersen at the above-mentioned Customer Number.

Respectfully submitted,

BAKER BOTTS L.L.P.  
Attorneys for Applicant



Luke K. Pedersen  
Reg. No. 45,003

Date: January 26, 2004

**CORRESPONDENCE ADDRESS: Customer No. 31625**

Luke K. Pedersen  
Baker Botts L.L.P.  
1500 San Jacinto Center  
98 San Jacinto Blvd.  
Austin, Texas 78701-4039  
214.953.6655